

WHAT IS CLAIMED IS:

1. An image forming device comprising:
  - a photoconductive drum;
  - a motor which rotates the photoconductive drum;
  - means for charging a surface of the photoconductive drum;
  - means for exposing to write image information as an electrostatic latent image onto the charged surface of the photoconductive drum;
  - means for developing the electrostatic latent image;
  - means for transferring the developed image onto a paper;
  - means for removing paper dust by contacting against the surface of the photoconductive drum; and
  - a rotation mechanism which intermittently rotates the means for removing the paper dusts.
2. The image forming device according to claim 1, wherein the means for charging charges the surface of the photoconductive drum positively.
3. The image forming device according to claim 1, wherein the rotation mechanism rotates the means for removing the paper dusts according to a backward rotation of the photoconductive drum.
4. The image forming device according to claim 3, wherein a period of

time when the photoconductive drum rotates backward is a period of time corresponding to approximately 30 degrees by a rotation angle.

5. The image forming device according to claim 1, wherein the means for removing the paper dusts is a brush.

6. The image forming device according to claim 1, wherein the means for removing the paper dust is disposed between the means for charging and the means for transferring at a periphery of the photoconductive drum.

7. The image forming device according to claim 1, wherein the means for charging is a scorotron charger.

8. The image forming device according to claim 1, wherein the means for transferring is a transfer roller disposed in contact with the photoconductive drum.

9. The image forming device according to claim 1, further comprising a flicker which removes paper dusts adhered to the means for removing the paper dusts.

10. An image forming device comprising:

a photoconductive drum;

a motor which rotates the photoconductive drum;

means for charging a surface of the photoconductive drum;

means for exposing to write image information as an electrostatic latent image onto the charged surface of the photoconductive drum;

means for developing the electrostatic latent image;

means for transferring the developed image onto a paper;

means for removing paper dust by contacting against the surface of the photoconductive drum, provided as a replaceable unit with respect to a device main body; and

a rotation mechanism which intermittently rotates the means for removing the paper dusts.

11. The image forming device according to claim 10, wherein the means for charging positively charges the photoconductive drum.

12. The image forming device according to claim 10, wherein the rotation mechanism is provided on a shaft of the means for removing the paper dust, and is a gear with a one-way clutch which engages with a gear of the photoconductive drum, and the gear with one-way clutch transfers a backward rotation of the photoconductive drum to the shaft.

13. The image forming device according to claim 12, wherein a period of time when the photoconductive drum rotates backward is a period of time corresponding to approximately 30 degrees by a rotation angle.

14. The image forming device according to claim 10, further comprising:

a sheet counter which cumulatively counts a number of printed sheets; means for determining whether or not a counted value of the sheet counter has reached a prescribed number of sheets; and a controller which rotates a motor by a prescribed angle so that the photoconductive drum is rotated backward when it is determined that the counted value of the sheet counter has reached the prescribed number of sheets.

15. The image forming device according to claim 14, wherein the controller resets the counted value of the sheet counter after the photoconductive drum rotates backward.

16. The image forming device according to claim 10, wherein the means for removing the paper dust is a brush.

17. The image forming device according to claim 10, wherein the means for removing the paper dust is disposed between the means for charging

and the means for transferring at the periphery of the photoconductive drum.

18. The image forming device according to claim 10, wherein the means for charging is a scorotron charger.

19. The image forming device according to claim 10, wherein the means for transferring is a transfer roller disposed in contact with a surface of the photoconductive drum.

20. The image forming device according to claim 10, further comprising a flicker which removes paper dusts adhered to the means for removing the paper dusts.

21. An image forming device comprising:

- a photoconductive drum;
- a motor which rotates the photoconductive drum;
- means for charging a surface of the photoconductive drum;
- means for exposing to write image information as an electrostatic latent image onto the charged surface of the photoconductive drum;
- means for developing the electrostatic latent image;
- means for transferring the developed image onto a paper;
- means for removing paper dust by contacting against the surface of the

photoconductive drum;

a rotation mechanism which intermittently rotates the means for removing the paper dusts;

a main body which supports the means for removing the paper dust rotatable; and

a unit which supports the photoconductive drum rotatable, and can be replaced with respect to the main body.

22. The image forming device according to claim 21, wherein the rotation mechanism is provided to a shaft of the means for removing the paper dust, and is a gear with a one-way clutch which engages with a gear of the photoconductive drum, and the gear with one-way clutch transfers a backward rotation of the photoconductive drum to the shaft.

23. The image forming device according to claim 22, wherein a period of time when the photoconductive drum rotates backward is a period of time corresponding to approximately 30 degrees by a rotation angle.

24. The image forming device according to claim 22, wherein the photoconductive drum rotates backward when replacing the unit.

25. The image forming device according to claim 21, wherein the

means for charging positively charges the surface of the photoconductive drum.

26. The image forming device according to claim 21, wherein the means for removing the paper dust is a brush.

27. The image forming device according to claim 21, wherein the means for removing the paper dust is disposed between the means for charging and the means for transferring at a periphery of the photoconductive drum.

28. The image forming device according to claim 21, wherein the means for charging is a scorotron charger.

29. The image forming device according to claim 21, wherein the means for transferring is a transfer roller disposed in contact with the surface of the photoconductive drum.